

CLAIMS:

1. A method for making a fiber from a synthetic material , comprising:
preparing a melt of the synthetic material;
5 adding polytetrafluoroethylene (PTFE) material in to the melt;
extruding the melt having the added PTFE material through a spinneret
to form the fiber.
2. The method of claim 1, wherein adding the PTFE material into the melt
comprises dispersing PTFE particles having a size less than about one
10 micron into the melt.
3. The method of claim 1, wherein adding the PTFE material into the melt
comprises adding PTFE powder that is dispersible to submicron particle
size.
4. The method of claim 1, wherein adding the PTFE material into the melt
15 comprises adding an aqueous dispersion of PTFE powder that is
dispersible to low micron particle size.
5. The method of claim 1, wherein adding the PTFE material into the melt
comprises adding an organic solvent dispersion of PTFE powder that is
dispersible to low micron particle size.
- 20 6. The method of claim 5 wherein the organic solvent dispersion of PTFE
powder comprises about 20% to about 60% PTFE by weight.
7. The method of claim 1, wherein adding the PTFE material into the melt
comprises dispersing PTFE particle that have a size smaller than a channel
size of the spinneret.

8. The method of claim 1, wherein adding the PTFE material into the melt comprises introducing dispersible PTFE powder in the form of a pelletized master batch.
9. The method of claim 8, wherein the master batch comprises about 5% PTFE to about 60% PTFE.
10. The method of claim 1, wherein the fiber is a bi-component fiber, and wherein extruding the melt having the added PTFE material comprises forming a component of the bi-component fiber.
11. The method of claim 1, wherein the synthetic material comprises a material selected from the group of polyester, nylon, polypropylene, polyethylene terephthalate, a thermoplastic resin and any combination thereof.
12. A fabric comprising fibers made by the method of claim 1.
13. A synthetic fiber made, comprising:
- an extrusion of material selected from the group of polyester, nylon, polypropylene, polyethylene terephthalate, a thermoplastic resin and any combination thereof, and;
- a dispersion of PTFE particles in the extrusion.
14. The synthetic fiber of claim 13 wherein the dispersion of PTFE particles comprises PTFE particles having a size less than about one micron.
15. The synthetic fiber of claim 13 wherein the dispersion of PTFE particles comprises PTFE particles having a size less than about one micron.
16. The synthetic fiber of claim 13 wherein the dispersion of PTFE particles is substantially uniformly distributed in the extrusion.

17. A fabric comprising the synthetic fiber of claim 13.
18. A textile comprising the synthetic fiber of claim 13.
19. A carpet comprising the fiber of claim 13.
20. An article of manufacture comprising the fiber of claim 13.